SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the step by step procedure to create the bibliographic database.

17. Give an elaborate outline of the environment itemize and enumerate with example.

18. Write a program to create a table spanning more than one page and distinguish the pros and cons of the tabbing and tabular environments.

19. Give a complete description of constructing tables using tabular environment and its style parameters.

20. Explain the process of generating footnotes, footnotes in tabular material and customizing footpotes into a LaTeX document and its style parameters.

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APRIL/MAY 2024

23PSMA26B — MATHEMATICAL DOCUMENTATION USING LATEX/OTHER PACKAGES

Shanmuga Industries Arts & Science College T.V.Malai

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What command is used to define the format of page numbers? List the potential arguments and describe the resulting styles produced by the command.

2. Outline any four BIBTEX styles with a brief explanation.

3. Write down the commands which offers to set up a glossary with a short explanation.

4. What does the term "environment" mean in the context of LaTeX? Write the general form of an environment.

5. Illustrate any four styles to typeset mathematics with examples for each style.

6. Discuss the command new theorem with an appropriate example.

7. How box is treated in LaTeX and what are the types of boxes?

8. Compose the syntax for including graphics in a LaTeX document and outline the options accessible within the command.

9. Examine the convenient way for the readerto provide the page number of the reference when making a reference to a table or an equation.

10. Write short note on the style parameters for marginal notes.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Summarize the features of latex which helps to partition a document.

Or

(b) Explain Text Positioning with the help of an example.

12. (a) Discuss all the parameters of minitoc package.

Or

(b) How to typeset a quotation with several lines and poetry in a LaTeX document?

13. (a) Demonstrate the command which allows to customize the theorem styles with an example.

Or

(b) How to build our own commands using the available commands?

14. (a) Give a detailed explanation of four types of LR boxes.

Or

(b) List all the commands to control what fraction of a page can be covered by floats.

15. (a) Identify all the behavior of command \vref when used in the document class article and document class book.

Or

(b) Which command typesèts the text given as an argument in the margin? Discuss its uses and style parameters.